



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Naoki KACHI et al.  
Title: CATALYTIC CONVERTER WITH MULTILAYERED CATALYST  
SYSTEM  
Appl. No.: 09/742,428  
Filing Date: 12/22/2000  
Examiner: Hien T. Tran  
Art Unit: 1764

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

Documents A1-A4 on the attached PTO/SB/08 were cited as being relevant during the prosecution of a counterpart Japanese patent application. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). English language abstracts of the foreign language documents are provided for the Examiner's convenience.

A translation of a portion of a Japanese Office Action that issued November 30, 2004, with respect to a counterpart Japanese patent application, is provided below:

- Claims 1, 2, 3, 4, 5 and 8
- Reference 1
- Remarks

Reference 1 (Paragraph 0038-0044) discloses an invention of catalytic converter, comprising HC absorption layer and at least two catalytic layers formed thereon, wherein the amount of noble metal contained in the outer layer of the catalytic layer is greater than that of the inner layer.

- Claims 6 and 7
- References 1 and 2
- Remarks

In addition to the above-cited remarks regarding Claims 1-5, Reference 2 (mainly Chart 1) discloses that the noble metal contained in the outer-most layer is Pd and that the composition of the lowest layer is a random combination of Pt, Pd, and Rh. Further, Reference 3 (Paragraph 0063)

teaches that the amount of the promoter present in the outer layer is smaller than that of the lower layer.

#### Index of Cited References

1. JP 8-164338
2. JP 10-5589
3. JP 9-38498

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#### Record of Prior Art Search Results

- Searched field           IPC 7<sup>th</sup> edition           F01N 3/
- Prior Art                 JP 10-280950

This Record of Prior Art Search Results does not constitute a reason for rejection.

Applicant's statements regarding the Japanese Office Action are based on a partial translation that Applicant's representative obtained. These statements should in no way be considered as an agreement by Applicant with, or an admission of, what is asserted in the Japanese Office Action.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

#### **STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed

herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date February 28, 2005


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		Substitute for form 1449B/PTO		<b>Complete if Known</b> Application Number 09/742,428 Filing Date 12/22/2000 First Named Inventor Naoki KACHI Group Art Unit 1764 Examiner Name Hien T. Tran Attorney Docket Number 040679-1191	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			
Sheet & TRADEMARK		1	of	1	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	JP	8164338		Mazda Motor Corp.	06-25-1996		
	A2	JP	10005589		Nissan Motor Corp.	01-13-1998		
	A3	JP	9038498		Mazda Motor Corp.	02-10-1997		
	A4	JP	10280950		Toyota Motor Corp.	10-20-1998		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.